DEWENWILS DR102 HRFR02C

DEWENWILS Outdoor Light Timer with Remote Instruction Manual

Model: DR102 HRFR02C

1. Introduction

This instruction manual provides detailed information on the setup, operation, maintenance, and troubleshooting of your DEWENWILS Outdoor Light Timer with Remote. Please read this manual thoroughly before using the product to ensure safe and efficient operation.



Image 1.1: The DEWENWILS Outdoor Light Timer (black unit with two outlets) and its accompanying white digital remote control.

2. Important Safety Information

Always follow basic safety precautions when using electrical products to reduce the risk of fire, electric shock, and personal injury.

- Do not immerse the timer in water.
- Ensure the outlet is mounted with outlets facing downward and at least 2 feet above ground level to prevent water immersion.
- Do not exceed the electrical ratings: 125V, 15A, 1875W Resistive, 1000W Tungsten, 1/2HP.
- Keep children away from the timer and remote.
- Unplug the timer from the power source before cleaning or performing any maintenance.
- Do not use if the product or cord is damaged.



Image 2.1: The outdoor timer unit shown with water droplets, emphasizing its waterproof design. It is mounted vertically on a wooden surface with cords plugged in, illustrating proper outdoor installation.

3. Product Features

The DEWENWILS Outdoor Light Timer offers versatile control for your outdoor lighting and appliances.

- **5 Operating Modes:** Always ON/OFF, 3 Program Timer Modes (P1, P2, P3), Repeat Cycle (REP), Daylight Saving Time (DST), and Countdown (CTD).
- **Digital Remote Control:** Allows for convenient operation from up to 100 feet away (line of sight), even through walls and doors.
- **Dual Heavy-Duty Outlets:** Two grounded outlets for simultaneous control of multiple devices.
- **Weatherproof Construction:** ETL listed, resistant to abrasion, moisture, and sunlight, suitable for outdoor and indoor use.
- **Large Backlight Digital Screen:** Easy to view and edit settings, even in low light conditions.
- **Open-able Stand:** Integrated stand on the remote for convenient placement.



Image 3.1: The remote control unit with its digital display and various buttons. Icons below illustrate key features: 5 modes, 2 grounded outlets, 1/2 HP motor rating, and remote control functionality.

4. Setup and Installation

4.1. Remote Control Battery Installation

The remote control requires 3 x AA batteries (not included).

1. Open the battery compartment cover on the back of the remote control.
2. Insert 3 AA batteries, ensuring correct polarity (+/-).
3. Close the battery compartment cover securely.



Image 4.1: A detailed view of the remote control, highlighting the battery compartment on the back and its physical dimensions. A table below the image explains the function of each button on the remote.

4.2. Outdoor Timer Placement

For optimal performance and safety, follow these guidelines for placing the outdoor timer unit:

- Mount the timer vertically with the outlets facing downward.
- Ensure the timer is at least 2 feet (60 cm) above ground level.
- Choose a location that is protected from direct heavy rain or snow, if possible, to prolong product life.
- The remote control has a range of up to 100 feet in line of sight, but this can be reduced by obstacles like walls.



Image 4.2: The outdoor timer unit shown with water droplets, emphasizing its waterproof design. It is mounted vertically on a wooden surface with cords plugged in, illustrating proper outdoor installation.

5. Operating Instructions

5.1. Setting the Clock

1. Press the **CLOCK** button to enter clock setting mode.
2. Use the **HOUR** and **MIN** buttons to adjust the current time.
3. Press **CLOCK** again to save and exit, or wait for the display to return to the main screen automatically.

5.2. Always ON/OFF Mode

To manually turn the connected devices ON or OFF:

- Press the **ON/OFF** button on the remote. This will toggle the power to the outlets.

Your browser does not support the video tag.

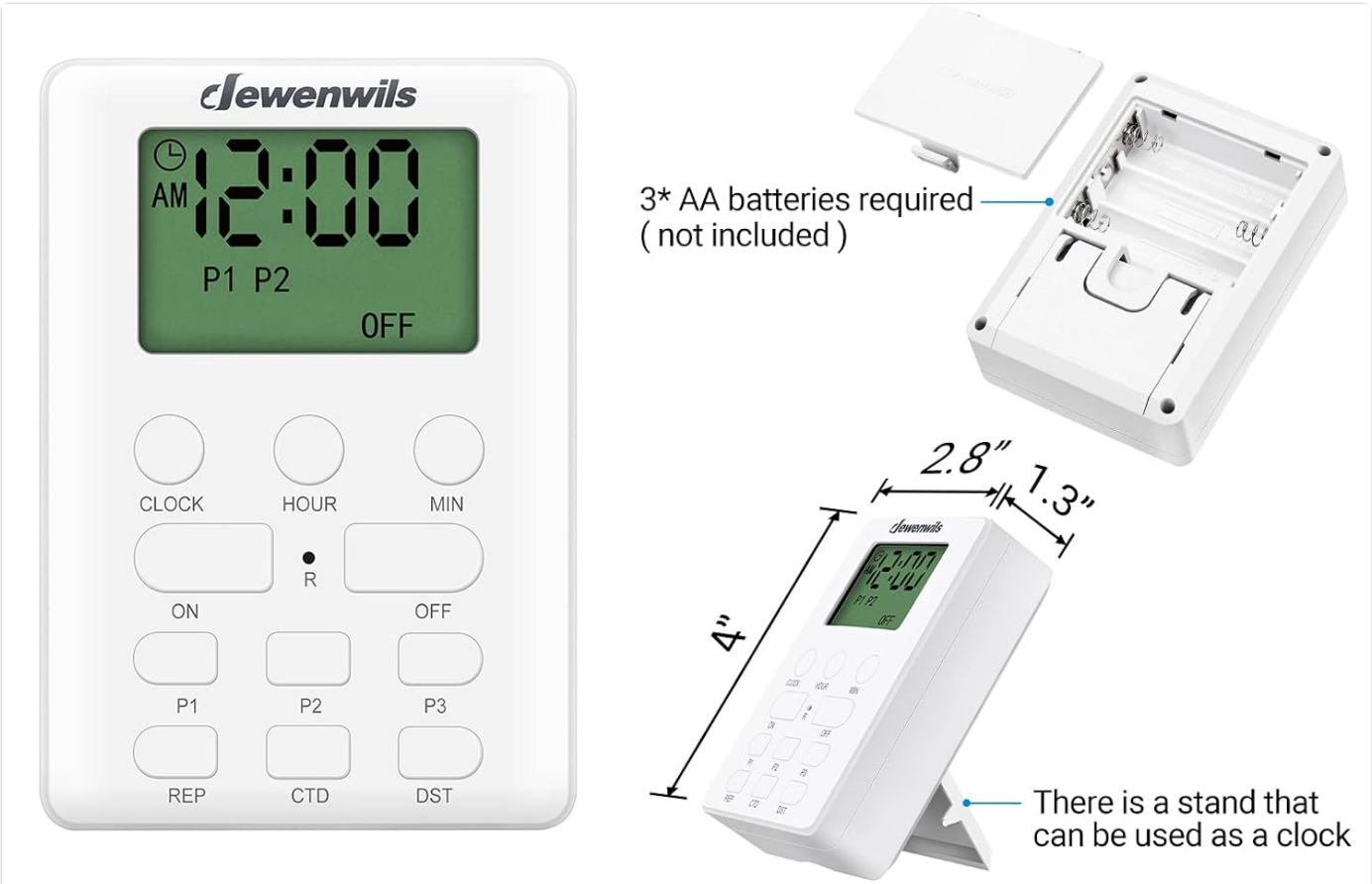
Video 5.1: This video demonstrates the basic functionality of the DEWENWILS Outdoor Timer with Digital Remote Controller, including how

to manually turn the timer on and off using the remote. It shows the indoor remote and the outdoor receiver unit.

5.3. Program Timer Modes (P1, P2, P3)

The timer allows for three independent programs (P1, P2, P3) to be set. Each program can run simultaneously or independently.

1. Long press the desired program button (**P1**, **P2**, or **P3**) to enter its setting mode.
2. The display will show "ON". Use **HOUR** and **MIN** to set the desired ON time for the program.
3. Press the program button again. The display will show "OFF". Use **HOUR** and **MIN** to set the desired OFF time for the program.
4. Long press the program button again to activate the program. The display will show "ON" or "OFF" next to the program number, indicating its active status.



CLOCK	Enter clock setting; return to clock interface; Keep settings
HOUR/MIN	Adjust hour and minutes
ON/OFF	Always ON/OFF
P1 P2 P3	3 programs(both running simultaneously and independently)
REP	Turn on or off in cycles within the set time period
CTD/DST	Countdown OFF mode/ Daylight Saving Time

Image 5.1: This image illustrates the versatility of the timer, showing three different fountain installations. It suggests that the three program modes (P1, P2, P3) can be used to control various outdoor appliances simultaneously.

5.4. Repeat Cycle Mode (REP)

The REP mode allows the timer to turn on and off in a cycle during a set period.

1. Press the **REP** button to enter the ON duration time setting. Use**HOUR** and **MIN** to set the ON duration.
2. Press **REP** again to enter the OFF duration time setting. Use**HOUR** and **MIN** to set the OFF duration.
3. Press **REP** again to set the ON time for the cycle to begin.
4. Press **REP** again to set the OFF time for the cycle to end.
5. The timer will now repeat the ON/OFF cycle within the set start and end times daily.



Image 5.2: A visual timeline demonstrating the "Repeat Cycle" (REP) mode. It shows how lights can be programmed to turn on and off multiple times within a specified period, such as from 5:00 PM to 11:00 PM, with specific ON/OFF intervals.

5.5. Countdown Mode (CTD)

The CTD mode allows you to turn the device on immediately and have it turn off after a scheduled countdown time. After the countdown, it reverts to your last set program.

1. Press the **CTD** button.
2. Use **HOUR** and **MIN** to set the desired countdown duration.

3. Press **CTD** again to start the countdown. The device will turn ON and then turn OFF after the set duration.

5.6. Daylight Saving Time (DST)

To adjust for Daylight Saving Time:

- Press the **DST** button to toggle Daylight Saving Time ON or OFF. This will adjust the clock by one hour forward or backward.

6. Product Specifications

Specification	Value
Model	DR102 HRFR02C
Electrical Rating	125V, 15A, 1875W Resistive, 1000W Tungsten, 1/2HP
Cord Length	6-inch SJTW 14/3C heavy gauge
Remote Range	Up to 100FT (line of sight)
Power Source (Remote)	3 x AA batteries (not included)
Material	Acrylonitrile Butadiene Styrene
Certifications	ETL Listed
Operating Modes	Always ON/OFF, 3 Program Timer Modes (P1, P2, P3), Repeat Cycle (REP), Countdown (CTD), Daylight Saving Time (DST)

7. Care and Maintenance

- Before cleaning, always unplug the timer from the power outlet.
- Wipe the timer and remote with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Ensure the timer is completely dry before plugging it back into a power source.
- When not in use for extended periods, store the timer and remote in a cool, dry place. Remove batteries from the remote if storing for a long time to prevent leakage.

8. Troubleshooting

Problem	Possible Cause	Solution
Timer not turning ON/OFF as programmed.	Incorrect program settings. Remote batteries low or dead. Signal interference.	Verify all program settings (ON/OFF times, REP, CTD). Replace remote batteries. Reduce distance between remote and timer, remove obstacles.

Problem	Possible Cause	Solution
Remote not responding.	Remote batteries are dead or incorrectly installed. Out of range. Timer unit unplugged.	Check and replace batteries, ensure correct polarity. Move closer to the timer unit. Ensure the timer unit is securely plugged into a live outlet.
Display on remote is dim or blank.	Low or dead batteries.	Replace the 3 AA batteries in the remote control.
Connected device not receiving power.	Timer is OFF or not programmed correctly. Device itself is faulty. Overload.	Check timer status (ON/OFF button, active programs). Test the device by plugging it directly into a wall outlet. Ensure total wattage does not exceed 1875W.

9. Warranty and Support

DEWENWILS products are designed for reliability and performance. For warranty information or technical support, please contact DEWENWILS customer service. Keep your purchase receipt as proof of purchase.
For further assistance, visit the official DEWENWILS store on Amazon:DEWENWILS Store

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